L Number	Hits	Search Text	DB	Time stamp
-	0	symmetrical and clinch and pierce and 411/$.ccls	USPAT; US-PGPUB	2004/08/16 11:45
-	0	symmetrical and (clinch pierce) and 411/$.ccls	USPAT; US-PGPUB	2004/08/09 10:56
-	0	symmetrical and (clinch pierce) and 411/$.ccls	USPAT; US-PGPUB	2004/08/09 10:57
-	36975	("411").CLAS.	USPAT; US-PGPUB	2004/08/09 10:56
-	118	symetric$ and (clinch pierce)	USPAT; US-PGPUB	2004/08/11 09:45
-	4	("2075675" | "1332686" | "1872385" | "1342225").PN.	USPAT	2004/08/09 10:58
-	3	3809139.URPN.	USPAT	2004/08/09 10:59
-	1	("1591183").PN.	USPAT; US-PGPUB	2004/08/09 11:24
-	1	("3187424").PN.	USPAT; US-PGPUB	2004/08/09 11:25
-	4	3187424.URPN.	USPAT	2004/08/09 11:25
-	1109	rivet and bush	USPAT; US-PGPUB	2004/08/09 15:00
-	0	rivet and bush and 411/$.ccls	USPAT; US-PGPUB	2004/08/09 15:01
-	13	rivet and bush and 411/$.ccls.	USPAT; US-PGPUB	2004/08/09 15:05
-	137	(411/183).CCLS.	USPAT; US-PGPUB	2004/08/09 16:42
-	202	(464/32).CCLS.	USPAT; US-PGPUB	2004/08/10 10:26
-	258	411/183	USPAT; US-PGPUB	2004/08/09 16:44
-	85	(464/42).CCLS.	USPAT; US-PGPUB	2004/08/10 10:33
-	749	((411/179,180,181,182) or (411/185,186)).CCLS.	USPAT; US-PGPUB	2004/08/10 10:35
-	4	3187424.URPN.	USPAT	2004/08/10 12:39
-	9	symmetric and clinch and nut	USPAT; US-PGPUB	2004/08/10 13:29
-	2938	(29/505,525,525.01,525.05,525.06,525.11).CCLS.	USPAT; US-PGPUB	2004/08/10 13:41
-	26	((29/505,525,525.01,525.05,525.06,525.11).CCLS and "clinch"	USPAT; US-PGPUB	2004/08/12 12:18
-	34	hopper and clinch and nut	USPAT; US-PGPUB	2004/08/10 13:51
-	171	(411/171).CCLS.	USPAT; US-PGPUB	2004/08/10 14:08
-	0	20040141825.URPN.	USPAT	2004/08/10 14:07
-	0	20040141825.URPN.	USPAT	2004/08/10 14:07
-	0	20040141825.URPN.	USPAT	2004/08/10 14:07
-	0	orientless and clinch	USPAT; US-PGPUB	2004/08/10 14:09
-	579	orient$ and clinch	USPAT; US-PGPUB	2004/08/10 14:57
-	15	(470/907).CCLS.	USPAT; US-PGPUB	2004/08/10 14:59
-	263	(470/167).CCLS.	USPAT; US-PGPUB	2004/08/10 14:59

-	106	(US-3809139-$ or US-2075675-$ or US-1872385-$ or US-1332686-$ or US-5020952-$ or US-1591183-$ or US-6732431-$ or US-6543979-$ or US-6592311-$ or US-6491487-$ or US-6406237-$ or US-6325580-$ or US-6185870-$ or US-6161998-$ or US-6712370-$ or US-6698081-$ or US-6318940-$ or US-6004087-$ or US-5528812-$ or US-5489176-$ or US-5445483-$ or US-4971499-$ or US-4739601-$ or US-4713872-$ or US-4186787-$ or US-2985213-$).did. or (US-2170290-$ or US-2110039-$ or US-1872616-$ or US-1249948-$ or US-6527489-$ or US-6499923-$ or US-6435758-$ or US-6409444-$ or US-6257814-$ or US-6220804-$ or US-6108893-$ or US-6081994-$ or US-5927921-$ or US-5882159-$ or US-5782594-$ or US-5613815-$ or US-5549430-$ or US-5531552-$ or US-5441417-$ or US-5423645-$ or US-RE34928-$ or US-5365654-$ or US-5335411-$ or US-5249901-$ or US-5098765-$ or US-5092724-$ or US-4915558-$).did. or (US-4893976-$ or US-4831698-$ or US-4768907-$ or US-4732518-$ or US-4724610-$ or US-4642869-$ or US-4557650-$ or US-4557649-$ or US-4459073-$ or US-4432681-$ or US-4430034-$ or US-4389766-$ or US-4370794-$ or US-4124050-$ or US-4087897-$ or US-3926236-$ or US-3920059-$ or US-3910331-$ or US-3909927-$ or US-3894331-$ or US-3845860-$ or US-3736969-$ or US-3727254-$ or US-3534797-$ or US-3506050-$ or US-3469613-$ or US-3461936-$).did. or (US-3431960-$ or US-3405752-$ or US-3276499-$ or US-3253631-$ or US-3213914-$ or US-3187796-$ or US-3152628-$ or US-3133579-$ or US-3014609-$ or US-2415695-$ or US-2176846-$ or US-RE17907-$ or US-1759339-$ or US-1705463-$ or US-1579875-$ or US-1332687-$ or US-0521825-$ or US-4476599-$).did. or (US-20040146376-$ or US-20040086355-$ or US-20040042871-$ or US-20040042870-$ or US-20030063961-$ or US-20030039530-$ or US-20010010789-$ or US-20040078949-$).did.	USPAT; US-PGPUB	2004/08/10 15:17
-	1	(US-3187424-$ or US-3187424-$).did.	USOCR	2004/08/10 15:12
-	9	(("4610072") or ("4711021") or ("4810143") or ("4831698") or ("4911592") or ("5251370") or ("5335411") or ("5423645") or ("5439336")).PN.	USPAT; US-PGPUB	2004/08/10 16:14
-	683238	flanged coupling	USPAT; US-PGPUB	2004/08/10 16:15
-	360	'flanged coupling'	USPAT; US-PGPUB	2004/08/10 16:16
-	122	flanged and coupling and 411/$.ccls.	USPAT; US-PGPUB	2004/08/10 16:17
-	181	flanged and coupling and 411/$	USPAT; US-PGPUB	2004/08/10 16:23
-	8	1648026.URPN.	USPAT	2004/08/10 16:22
-	533	flang$ and radial and annular and (center midway halfway) and 411/$	USPAT; US-PGPUB	2004/08/10 16:25
-	1	("3187424").PN.	USPAT; US-PGPUB	2004/08/11 10:24
-	4	3187424.URPN.	USPAT	2004/08/11 09:45

-	14806	cable and coupling and flange	USPAT; US-PGPUB	2004/08/11 10:25
-	1170	cable and coupling and flange and taper	USPAT; US-PGPUB	2004/08/11 11:01
-	126	(411/161,168).CCLS.	USPAT; US-PGPUB	2004/08/11 11:02
-	6	2415695.URPN.	USPAT	2004/08/11 12:30
-	921	(411/82,82.1,427).CCLS.	USPAT; US-PGPUB	2004/08/11 12:36
-	0	20030123950.URPN.	USPAT	2004/08/11 12:36
-	0	20020197132.URPN.	USPAT	2004/08/11 12:38
-	106	(US-3809139-$ or US-2075675-$ or US-1872385-$ or US-1332686-$ or US-5020952-$ or US-1591183-$ or US-6732431-$ or US-6543979-$ or US-6592311-$ or US-6491487-$ or US-6406237-$ or US-6325580-$ or US-6185870-$ or US-6161998-$ or US-6712370-$ or US-6698081-$ or US-6318940-$ or US-6004087-$ or US-5528812-$ or US-5489176-$ or US-5445483-$ or US-4971499-$ or US-4739601-$ or US-4713872-$ or US-4186787-$ or US-2985213-$).did. or (US-2170290-$ or US-2110039-$ or US-1872616-$ or US-1249948-$ or US-6527489-$ or US-6499923-$ or US-6435758-$ or US-6409444-$ or US-6257814-$ or US-6220804-$ or US-6108893-$ or US-6081994-$ or US-5927921-$ or US-5882159-$ or US-5782594-$ or US-5613815-$ or US-5549430-$ or US-5531552-$ or US-5441417-$ or US-5423645-$ or US-RE34928-$ or US-5365654-$ or US-5335411-$ or US-5249901-$ or US-5098765-$ or US-5092724-$ or US-4915558-$).did. or (US-4893976-$ or US-4831698-$ or US-4768907-$ or US-4732518-$ or US-4724610-$ or US-4642869-$ or US-4557650-$ or US-4557649-$ or US-4459073-$ or US-4432681-$ or US-4430034-$ or US-4389766-$ or US-4370794-$ or US-4124050-$ or US-4087897-$ or US-3926236-$ or US-3920059-$ or US-3910331-$ or US-3909927-$ or US-3894331-$ or US-3845860-$ or US-3736969-$ or US-3727254-$ or US-3534797-$ or US-3506050-$ or US-3469613-$ or US-3461936-$).did. or (US-3431960-$ or US-3405752-$ or US-3276499-$ or US-3253631-$ or US-3213914-$ or US-3187796-$ or US-3152628-$ or US-3133579-$ or US-3014609-$ or US-2176846-$ or US-RE17907-$ or US-1759339-$ or US-1705463-$ or US-1579875-$ or US-1332687-$ or US-0521825-$ or US-4476599-$ or US-5404689-$).did. or (US-20040146376-$ or US-20040086355-$ or US-20040042871-$ or US-20040042870-$ or US-20030063961-$ or US-20030039530-$ or US-20010010789-$ or US-20040078949-$).did.	USPAT; US-PGPUB	2004/08/11 12:49
-	2	(US-3187424-$ or US-3187424-$ or US-2415695-$).did.	USOCR	2004/08/11 12:49
-	24477	flange$ and nut and coupling	USPAT; US-PGPUB	2004/08/11 16:28
-	3397	flange$ and nut and coupling and symmetric$	USPAT; US-PGPUB	2004/08/11 16:29
-	33	flange$ and nut and coupling and symmetric$ and 411/$.ccls.	USPAT; US-PGPUB	2004/08/11 16:29

-	231	pizza and cutting and blade	USPAT; US-PGPUB	2004/08/12 08:25
-	34	pizza with cutting with blade	USPAT; US-PGPUB	2004/08/12 10:58
-	12	("0116136" | "D144225" | "D152600" | "D330665" | "0488289" | "0749357" | "0986166" | "1533305" | "4574479" | "4625404" | "4924575" | "4959905").PN.	USPAT	2004/08/12 08:26
-	1	116136.URPN.	USPAT	2004/08/12 08:27
-	2	("1363104" | "2718853").PN.	USPAT	2004/08/12 08:29
-	1	2718853.URPN.	USPAT	2004/08/12 08:32
-	1	116136.URPN.	USPAT	2004/08/12 09:00
-	1	116136.URPN.	USPAT	2004/08/12 09:00
-	0	("15798752968713").PN.	USPAT; US-PGPUB	2004/08/12 10:58
-	2	(("1579875") or ("2968713")).PN.	USPAT; US-PGPUB	2004/08/12 10:59
-	8	(411/170).CCLS.	USPAT; US-PGPUB	2004/08/12 11:28
-	48	(411/172).CCLS.	USPAT; US-PGPUB	2004/08/12 11:47
-	1	2279574.URPN.	USPAT	2004/08/12 11:30
-	5	2591631.URPN.	USPAT	2004/08/12 11:31
-	985	(411/360,361,366.2,501,509,510).CCLS.	USPAT; US-PGPUB	2004/08/12 12:17
-	290	(411/147,136).CCLS.	USPAT; US-PGPUB	2004/08/12 12:23
-	1704	(411/531-547).CCLS.	USPAT; US-PGPUB	2004/08/16 09:59
-	7	("1404522" | "1865284" | "2042179" | "2156155" | "2374550" | "2456055" | "2911242").PN.	USPAT	2004/08/12 13:22
-	1	("3301942").PN.	USPAT; US-PGPUB	2004/08/12 15:30
-	5671	29/$.ccls and clinch nut and hopper	USPAT; US-PGPUB	2004/08/12 15:30
-	572	29/$.ccls and clinch nut and hopper and symmetric$	USPAT; US-PGPUB	2004/08/12 15:32
-	0	29/$.ccls and "clinch nut" and hopper and symmetric$	USPAT; US-PGPUB	2004/08/12 15:33
-	0	29/$.ccls and (clinch with nut) and hopper and symmetric$	USPAT; US-PGPUB	2004/08/12 15:33
-	0	29/$.ccls and (clinch same nut) and hopper and symmetric$	USPAT; US-PGPUB	2004/08/12 15:33
-	1	("1332686").PN.	USPAT; US-PGPUB	2004/08/16 08:59
-	41	WASHER WITH GROOVES WITH FRICTION	USPAT; US-PGPUB	2004/08/16 10:02
-	170493	grooved washer	USPAT; US-PGPUB	2004/08/16 10:02
-	25	"grooved washer"	USPAT; US-PGPUB	2004/08/16 10:03
-	17384	groove$ and washer and two with side	USPAT; US-PGPUB	2004/08/16 10:04
-	17384	groove$ and washer and (two with side)	USPAT; US-PGPUB	2004/08/16 10:05
-	195	groove$ and washer and (two?sided)	USPAT; US-PGPUB	2004/08/16 10:05
-	0	groove$ and washer and (two?sided)and 411/$.ccls	USPAT; US-PGPUB	2004/08/16 10:06
-	0	groove$ and washer and ('two sided' 'two-sided')and 411/$.ccls	USPAT; US-PGPUB	2004/08/16 10:06
-	0	groove$ and washer and 411/$.ccls	USPAT; US-PGPUB	2004/08/16 10:07
-	0	groove and washer and 411/$.ccls	USPAT; US-PGPUB	2004/08/16 10:07
-	1210	groove and washer and 411/$.ccls.	USPAT; US-PGPUB	2004/08/16 10:07
-	208	groove and washer and 411/$.ccls. and (both with side)	USPAT; US-PGPUB	2004/08/16 10:19
-	521	groove and washer and 411/$.ccls. and radial	USPAT; US-PGPUB	2004/08/16 10:20

-	250	groove and washer and 411/$.ccls. and radial and lock	USPAT; US-PGPUB	2004/08/16 10:21
-	1	("2415695").PN.	USPAT; US-PGPUB	2004/08/16 11:53
-	1	("3187424").PN.	USPAT; US-PGPUB	2004/08/16 12:32
-	664	(castled groove$ recess$) and lock and washer and 411/$.ccls.	USPAT; US-PGPUB	2004/08/16 13:00
-	0	6010290.URPN.	USPAT	2004/08/16 12:39
-	0	6010290.URPN.	USPAT	2004/08/16 12:39
-	19	("0130689" | "0152344" | "0669840" | "0763821" | "0788058" | "1033759" | "1309463" | "1311727" | "1358690" | "1363210" | "1480885" | "1613493" | "1707932" | "1966015" | "2384908" | "2405424" | "4572718" | "5562378" | "5674034").PN.	USPAT	2004/08/16 12:39
-	19	("0130689" | "0152344" | "0669840" | "0763821" | "0788058" | "1033759" | "1309463" | "1311727" | "1358690" | "1363210" | "1480885" | "1613493" | "1707932" | "1966015" | "2384908" | "2405424" | "4572718" | "5562378" | "5674034").PN.	USPAT	2004/08/16 12:39
-	2	1613493.URPN.	USPAT	2004/08/16 12:40
-	310	(castled groove$ recess$) and lock and washer and 411/$.ccls. and flange	USPAT; US-PGPUB	2004/08/16 13:20
-	1	("1579875").PN.	USPAT; US-PGPUB	2004/08/16 13:31
-	10	spool with flange with frustoconical	USPAT; US-PGPUB	2004/08/16 13:35
-	4475	spool with flange	USPAT; US-PGPUB	2004/08/16 13:39
-	2539	spool with flange and (center midway middle halfway)	USPAT; US-PGPUB	2004/08/16 13:42
-	1481	washer with grooves	USPAT; US-PGPUB	2004/08/16 15:07
-	31	("2078739" | "2587408" | "2757054" | "2795444" | "2983534" | "2984528" | "2996901" | "3050351" | "3168321" | "3259404" | "3316035" | "3344689" | "3399007" | "3588787" | "3589143" | "3635535" | "3674325" | "3726178" | "4050130" | "4371357" | "4419086" | "4448550" | "4637740" | "4702657" | "4854738" | "4934979" | "5106342" | "5199800" | "5286115" | "5865678" | "6129634").PN.	USPAT	2004/08/16 13:50
-	18	2795444.URPN.	USPAT	2004/08/16 13:53
-	6	("1681731" | "3155051" | "3407011" | "3504879" | "3771753" | "3776499").PN.	USPAT	2004/08/16 14:49
-	4	3187424.URPN.	USPAT	2004/08/16 15:03
-	307902	reversible clinch nut	USPAT; US-PGPUB	2004/08/16 15:07
-	0	reversible with clinch with nut	USPAT; US-PGPUB	2004/08/16 15:07
-	0	reversible same clinch with nut	USPAT; US-PGPUB	2004/08/16 15:07
-	1131	cylindrical and flange and peripheral and radially and outward and inward and taper	USPAT; US-PGPUB	2004/08/16 15:23
-	921	(411/82,82.1,427).CCLS.	USPAT; US-PGPUB	2004/08/16 15:25
-	16	("3213914" | "3234987" | "3253631" | "3299500" | "3469613" | "3506050" | "3648747" | "3793658" | "3810291" | "3927465" | "4484385" | "4637766" | "4708556" | "5340251" | "5531552" | "5549430").PN.	USPAT	2004/08/17 15:52
-	143	(242/342).CCLS.	USPAT; US-PGPUB	2004/08/17 08:26
-	227	spool with center with flange	USPAT; US-PGPUB	2004/08/17 09:39

-	0	20020108328.URPN.	USPAT	2004/08/17 08:30
-	0	20020108328.URPN.	USPAT	2004/08/17 08:30
-	941	(242/603,614,578,578.2,388.6).CCLS.	USPAT; US-PGPUB	2004/08/17 10:34
-	0	1433921.URPN.	USPAT	2004/08/17 10:19
-	0	1433921.URPN.	USPAT	2004/08/17 10:20
-	221656	clinch nut	USPAT; US-PGPUB	2004/08/17 10:34
-	131173	clinch nut	EPO; JPO; DERWENT	2004/08/17 10:34
-	211219	clinch nut symmetrical	EPO; JPO; DERWENT	2004/08/17 10:35
-	1	clinch and nut and symmetrical	EPO; JPO; DERWENT	2004/08/17 11:23

| - | 298 | (("5593262") or ("5193961") or ("4952106") or ("5537793") or ("5549430") or ("5791810") or ("4143498") or ("4367995") or ("4391559") or ("4430947") or ("4478545") or ("4565465") or ("4778320") or ("4832547") or ("4860410") or ("4861208") or ("5005265") or ("5187843") or ("5195857") or ("5207588") or ("5237733") or ("5375954") or ("5441417") or ("5451090") or ("5513471") or ("5528812") or ("5564873") or ("5613815") or ("5644830") or ("6035598") or ("6079923") or ("6146192") or ("6231380") or ("6406237") or ("4497151") or ("5678286") or ("4825527") or ("4985994") or ("4296582") or ("4303187") or ("4338755") or ("4356943") or ("4372014") or ("4402116") or ("4425686") or ("4444342") or ("4459073") or ("4543701") or ("4575875") or ("4610072") or ("4810143") or ("4826378") or ("4831698") or ("4846586") or ("4893394") or ("4911592") or ("4918898") or ("4932105") or ("4966421") or ("4986590") or ("5251370") or ("5309618") or ("5335411") or ("5363624") or ("5370485") or ("5398700") or ("5401194") or ("5423645") or ("5439336") or ("5471804") or ("5490361") or ("5560094") or ("5685050") or ("5690460") or ("5722139") or ("5758467") or ("5791845") or ("5845883") or ("5875500") or ("6056174") or ("6077011") or ("6158937") or ("6203364") or ("6341465") or ("6370831") or ("6376035") or ("6390885") or ("6421846") or ("6439771") or ("6557927") or ("6675966") or ("6682126") or ("6718559") or ("5683070") or ("3916577") or ("3913288") or ("3852849") or ("4109437") or ("4257204") or ("5229175") or ("5345716") or ("5613701") or ("5752355") or ("5919535") or ("5956920") or ("6068113") or ("6110586") or ("6138329") or ("6202261") or ("6592387") or ("5181360") or ("5306175") or ("5639195") or ("4104840") or ("4382303") or ("4384667") or ("4499636") or ("4512122") or ("4863326") or ("4877364") or ("4884376") or ("4884988") or ("4896805") or ("4909009") or ("4960112") or ("5192019") or ("5417495") or ("5449081") or ("5509242") or ("5538502") or ("5567082") or ("5595567") or ("5682730") or ("5813580") or ("5911311") or ("6030123") or ("6062293") or ("6069319") or ("6071011") or ("6139351") or ("6146071") or ("6148588") or ("6153035") or ("6164610") or ("6189662") or ("6190082") or ("6219938") or ("6219938") or ("6226950") or ("6233737") or ("6279298") or ("6283351") or ("6295783") or ("6311946") or ("6327754") or ("6360513") or ("6406210") or ("6412250") or ("6427421") or ("6539571") or ("6691482") or ("5542777") or ("5704751") or ("6149338") or ("6325581") or ("4407618") or ("5755246") or ("4395174") or ("4435937") or ("4973102") or ("4981405") or ("5261759") or ("5378099") or ("5400412") or ("5494392") or ("5657592") or ("5876023") or ("5876024") or ("6085485") or ("6176394") or ("2577603") or ("3892099") or ("3842709") or ("3807112") or ("4153161") or ("4066075") or ("4089145") or ("4266824") or ("4266385") or ("4284378") or | USPAT; US-PGPUB | 2004/08/17 12:41 |

-	2910	(29/525-525.15).CCLS.	USPAT; US-PGPUB	2004/08/17 13:36
-	1	("1363104").PN.	USPAT; US-PGPUB	2004/08/17 15:52